



CARLETON UNIVERSITY

Ottawa, Ontario

108th Spring Convocation

Saturday, June 14, 1997

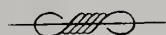


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1997 Spring Convocation

Convocation at Carleton University — 2

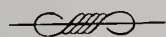


Saturday, June 14, 10:00 a.m.

Honorary degree recipient Arthur J. Carty — 4

Order of Proceedings — 5

Doctor of Philosophy from the Faculty of Science; Master of Science;
Master of Computer Science; Bachelor of Science;
Bachelor of Computer Science

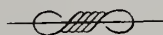


Saturday, June 14, 2:00 p.m.

Honorary degree recipient Willem Gilles — 12

Order of Proceedings — 13

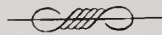
Doctor of Philosophy from the Faculty of Engineering;
Master of Engineering; Master of Architecture;
Bachelor of Engineering; Bachelor of Architecture;
Bachelor of Industrial Design



Medallists in the Graduating Class — 22

*The Convocation ceremonies may be heard on FM-assisted Listening System, Channel #26.
A limited number of receivers are available at each ceremony.*

Convocation at Carleton University



The Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

The Mace

The mace is a staff symbolizing authority. In the days of knighthood, it was a weapon, but after the 16th century it became solely a symbol of authority carried by a distinguished member of an assembly. It is used on ceremonial occasions to signify the right of an individual or institution to perform a certain function—in the case of universities, to grant degrees.

At Convocation, the mace is carried ahead of the Chancellor as he enters and leaves each ceremony. (Marshal of Convocation H.H.J. Nesbitt has performed this function for all but one of the University's Convocations.) During the ceremony the mace is displayed on a special stand as an embodiment of the authority of the University.

Carleton's mace was presented to the University in 1976 as a gift from the Chair of the Board of Governors at that time, Mr. Hyman Soloway. It is a silver-plated staff approximately three feet long. At the upper end there is a bowl marked with the University's coat of arms and the University motto in both Latin and English—"Opera Nobis Aeterna" and "Ours the Task Eternal." From the upper portion of the bowl rises a phoenix. Traditional oak leaves surround the lower end of the staff.

Coat of Arms

The coat of arms was presented to the University by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor-General of Canada, on November 15, 1992 as part of Carleton's 50th anniversary celebrations. It is described in heraldic terms as follows: "Sable a maple leaf Gules irradiated and charged with an open book Argent; And for a Crest: on a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules."

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older foundations, in recognition of Henry Marshall Tory's role in the founding of the University when he was 82 years old. "Ours the Task Eternal" is taken from a Walt Whitman poem entitled "Pioneers" and ties in with the eternal quality of the phoenix.

And so, the Carleton University coat of arms symbolizes sound learning, good citizenship, and the highest hopes of humanity.

The Diploma

The diploma the graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed course of study for the degree. As the senior academic legislative body of the University, it is the Senate which has determined whether the requirements have been met. The signatures of both the Chancellor and the President of the University appear on the diploma: the Chancellor because of his role in conferring the degree, and the President who, as Chair of Senate, certifies that Senate has enacted the required motion to award the degree. The Seal of the University is affixed to the diploma as a mark of authentication.

Academic Dress

The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code. All three hoods—bachelor's, master's, and doctor's—are of the simple or Oxford shape. The bachelor's hood is made of black stuff; the master's and doctor's are made of black silk and all are lined with silver silk with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more and more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations: architecture is cerise; arts is white; commerce is camel brown; computer science is royal blue; engineering is orange; industrial design is dark cardinal; journalism is white with a black cord sewn slightly in from the lower border; management studies is camel brown with a black cord sewn slightly in from the lower border; music is venetian pink; public administration is peacock blue; science is golden yellow; social work is cream; and doctor of philosophy is purple.

The bachelor's gown, to be worn with the above hoods, is of full length, made of black stuff, with a gathered yoke behind, and long open-fronted sleeves. The master's gown is of full style, made of black silk or rayon, with a full gathered yoke behind, and closed sleeves with an opening at the elbows. The doctoral gown is of the same style as the master's, but made of fine royal blue cloth with facings of light blue silk.

The two shades of blue in the doctoral gown are those of the United Nations, and are meant to recognize the University's long-standing interest, from its earliest years, in international affairs and issues. The colours were chosen when the University awarded its first honorary degree, in 1954, to the second Secretary General of the United Nations, the late Dag Hammarskjöld. The tradition of awarding honorary degrees to Secretaries General of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Science, Engineering, Architecture or Fine Arts is a full robe with bell-shaped sleeves. It is made of fine royal blue cloth with facings and sleeves in light blue silk. The hood is made of the same material as the gown, has the same lining as that for the degrees granted by examination, and is bordered with dark mauve for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering, cerise for the degree of Doctor of Architecture, and dark cardinal for the degree of Doctor of Fine Arts.

Alumni Park

Weather permitting, today's Convocation ceremonies are being held outdoors in Alumni Park which was dedicated in 1992, at the initiative of the Carleton University Alumni Association, to commemorate the University's 50th anniversary. The arbour under which the Chancellor, the President and Vice-Chancellor, the representative of the Board of Governors and the faculty are seated is a generous gift from the Association. It provides a permanent stage for Carleton's Convocation ceremonies and other events such as theatrical productions, concerts, and the like. Future plans for the Park include an enhancement of the existing fountain area with the construction of a plaza and landscaping to open up views to the Rideau River.

The Presiding Officer of Convocation is the Chancellor of the University, Arthur Kroeger, O.C., M.A., LL.D.

Accompanying him on the podium are Gail Larose, B.A., M.A. (morning ceremony) and Mairuth Sarsfield, CQ, B.A., M.A.Sc. (afternoon ceremony) representing the Board of Governors, and Richard J. Van Loon, B.Sc., M.A., Ph.D., President and Vice-Chancellor.

Assisting the Chancellor are:

Herbert H.J. Nesbitt, M.A., Ph.D., Sc.D., D.Sc., F.L.S., F.E.S.C., F.Z.S.
Professor Emeritus of Biology
and Marshal of Convocation

Chong H. Chan, B.S., M.A.Sc., Ph.D., P.Eng.
Professor of Engineering
Clerk of Senate
and Assistant Marshal of Convocation

John Blenkinsop, M.Sc., Ph.D.
Associate Professor of Earth Sciences
and Beadle of Convocation

John P. Braaksma, M.A.Sc., Ph.D., P.Eng.
Professor of Engineering
and Beadle of Convocation

Peter R. Frise, M.Sc., Ph.D., P.Eng.
Associate Professor of Engineering
and Beadle of Convocation

Kenneth Hardy, M.Sc., Ph.D.
Associate Professor of Mathematics
and Beadle of Convocation

Moyra J. McDill, M.Eng., Ph.D., P.Eng.
Associate Professor of Engineering
and Beadle of Convocation

Irwin Reichstein, B.Sc., Ph.D.
Associate Professor of Computer Science
and Beadle of Convocation

Also assisting at Convocation:

Linda Backer
Assistant Dean/Registrar
Faculty of Graduate Studies

Ruth Lifeso, B.Sc.
Assistant Dean and Registrar
Faculty of Science and School of Computer Science

G.E. Bauer, M.A.Sc., Ph.D., F.E.I.C., P.Eng.
Professor of Engineering
Associate Dean and Registrar
Division of Engineering

Carol Corkran
Kathleen Hickey, B.A.
Sharon Palmer
Registrar's Office, Faculty of Graduate Studies

Mary Orser
Lisa Ralph
Registrarial Services, Faculty of Science and
School of Computer Science

Pegge Clarke
Marlene Groves
Colin Harkness, B.A.
Registrarial Services, Division of Engineering

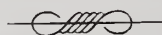
Anne-Marie Lépine
Lisa Papadakis, B.A.
Norman Smithley
Office of Admissions (Records and Registration Services)

Pamela Mallon
Patrick O'Brien, B.A., B.P.A.
Gail Stanton
Office of the President

Heather Brown, B.A.
Nanci Jolicoeur
Tambrae Knapp
MaryAnne Pomainville
Janet Weichel Mackenzie, B.A.
Cheryl Wrightsell
University Communications

Cathy Pearen
Senate Office

Honorary Degree Recipient

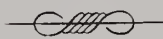


Arthur J. Carty,
B.Sc., Ph.D., D.Sc., F.R.S.C.

Arthur J. Carty, President, National Research Council Canada, will be awarded the degree of Doctor of Science, *honoris causa*, at the morning ceremony on Saturday, June 14, "in recognition of a distinguished scientific career, leadership in the development of support for Canadian sciences and for fostering relationships between the National Research Council and Ottawa-Carleton regional institutions."

Order of Proceedings

Saturday, June 14, 10:00 a.m.



Chancellor Arthur Kroeger, O.C., M.A., LL.D., presiding.

*The audience is requested to stand when the Academic Procession arrives,
to remain standing until 'O Canada' has been sung, and at the conclusion of the ceremony
to remain until the Academic Procession has left.*

Processional Music

John Robert Coghill Sr., C.D. (bagpipes)
John Robert Coghill Jr., C.D., B.Mus. (bagpipes)
Garry Matthews, C.D. (snare drum)

O Canada*

(the audience is invited to sing)

Welcome by the President and Vice-Chancellor

Richard J. Van Loon, B.Sc., M.A., Ph.D.

Conferring of Degrees by Examination

Warrant

Chong H. Chan, B.S., M.A.Sc., Ph.D., P.Eng.
Clerk of Senate

Introduction of the Medallists

The Clerk of Senate

Awarding of the Medals

G. Stuart Adam, B.J., M.A., Ph.D.
Vice-President (Academic)

Conferring of the Degree of Doctor of Science,

honoris causa, upon

Arthur J. Carty, B.Sc., Ph.D., D.Sc., F.R.S.C.
(presented by John W. ApSimon, B.Sc., Ph.D.,
Professor of Chemistry and Vice-President (Research and External))

Convocation Address

Arthur J. Carty

Recessional Music

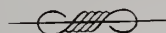
** see next page for words*

O Canada



*O Canada! Our home and native land!
True patriot love in all thy sons command.
With glowing hearts we see thee rise,
The True North strong and free!
From far and wide, O Canada,
We stand on guard for thee.
God keep our land glorious and free!
O Canada, we stand on guard for thee.
O Canada, we stand on guard for thee.*

Recipients of Degrees



Doctor of Philosophy

(presented by Professor Roger Blockley,
Dean, Faculty of Graduate Studies)

Degrees conferred at Spring Convocation
are awarded by Senate in February and in
June. Degrees awarded in February are
denoted by an asterisk (*).

* Kevin William Dufour

B.Sc. (Carleton), M.Sc. (Western Ontario)

Biology

Symmetry, Quality, and Sexual Success
in Male Red-winged Blackbirds

Supervisor: P.J. Weatherhead

* Ghodrattollah Absalan

B.Sc. (Mashhad, Iran), M.S. (Shiraz, Iran)

Chemistry

Atomic Absorption

Spectrometry with Atomization
by Cathodic Sputtering in a
Glow Discharge

Supervisor: C.L. Chakrabarti

Sharon Elizabeth Brewer

B.Sc., M.Sc. (New Brunswick)

Chemistry

Direct Supercritical Fluid Extraction of
Contaminants From Water

Supervisor: Peeter Kruus

Jianping Chen

B.Sc. (Zhejiang, China)

Chemistry

Syntheses and Chiroptical Studies of
Optically Active Polymethacrylates and
Polyisocyanides

Supervisor: Z.Y. Wang

Marielle Aline Monique Gerzain

Diplôme (Montpellier, France),

M.Sc. (Berlin, Germany)

Chemistry

Structural Investigations of
Oxygenated Organic Compounds
Using Nuclear Magnetic Resonance
and X-ray Crystallography

Supervisor: G.W. Buchanan

* Pierre R. Moulinié

B.Sc. (Concordia)

Chemistry

Structure-Property Relationship in
Novel Poly(arylene ether ketone)s

Supervisor: Z.Y. Wang

* Victor Pavski

B.Sc., M.Sc. (McMaster)

Chemistry

Investigations into Glow Discharge
Plasmas as Atomization and Excitation
Sources for Analytical Atomic
Spectrometry

Supervisor: C.L. Chakrabarti

Yu Qi

*B.Eng. (Beijing University of Chemical
Technology, China)*

Chemistry

Synthesis and Characterization of
Polyimides with Novel Structures

Supervisor: Z.Y. Wang

James L. Crowley

B.A. (Amherst College), M.Sc. (Carleton)

Earth Sciences

U-Pb geochronology in Frenchman
Cap Dome of the Monashee Complex,
Southern Canadian Cordillera: Early
Tertiary Tectonic Overprint of a
Proterozoic History

Supervisors: R.R. Parrish and
R.L. Brown

* Eduard Gordon Reinhardt

B.A. (Carleton)

Earth Sciences

A Combined Micropaleontological
and Strontium Isotope Methodology
as a Paleooceanographic Tool

Supervisors: R.T. Patterson and
John Blenkinsop

Jean-Philippe Gwet

B.Sc. (Yaounde, Cameroon), M.Sc. (Laval)

Mathematics

Robust Statistical Inference in Survey
Sampling

Supervisor: J.N.K. Rao

Donna Mary Salopek

B.Sc., M.Sc. (Alberta)

Mathematics

Tolerance to Arbitrage: Inclusion of
Fractional Brownian Motion to Model
Stock Price Fluctuations

Supervisor: D.A. Dawson

Timothy Matthew Jones

B.Sc. (Victoria), M.Sc. (British Columbia)

Physics

Studies of P-Wave Charm Meson
Production at LEP with the OPAL
Detector

Supervisor: R.K. Carnegie

David John Paterson
B.Sc. (Waterloo), M.Sc. (Carleton)
 Physics
 A Search for Small Anomalies in the
³H Beta Decay Spectrum using the Gas
 Proportional Chamber Method
 Supervisor: C.K. Hargrove

Master of Science

(presented by Professor Roger Blockley,
 Dean, Faculty of Graduate Studies)

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 June. Degrees awarded in February are
 denoted by an asterisk (*).

Ronald A. Booth
B.Sc. (Carleton)
 Biology
 Development of Cloth-enzyme
 Immunoassays for the Detection of
 E.Coli 0157 and Verotoxin

Stephen Goodacre
B.A. (Carleton)
 Biology
 The Overwintering Biology of
Forficula Auricularia Linnaeus
 (Insecta: Dermaptera: Forficulinae)

Shuquan Jing
B.Sc. (Beijing Normal University, China)
 Biology
 Somatic Embryogenesis and
 Endogenous Hormone Levels in Alfalfa

Jean Langlois
B.Sc. (Carleton)
 Biology
 Landscape Structure and the
 Distribution of Sin Nombre
 Hantavirus in Deer Mouse *Peromyscus*
Maniculatus Populations

Angela M. Muir
B.Sc. (Carleton)
 Biology
 Seed Predation and Dispersal in a
 Deciduous Forest Understorey Herb,
 Wild Ginger (*Asarum Canadense*)

* **Shealagh Edith Pope**
B.Sc. (Carleton)
 Biology
 The Relative Roles of Landscape
 Complementation and
 Metapopulation Dynamics in the
 Distribution and Abundance of
 Leopard Frogs (*Rana Pipiens*) in
 Ottawa-Carleton

* **Carol E. Potter**
B.Sc. (Carleton)
 Biology
 Primary Resource Configuration
 Effects on Secondary Resource Use by
 Ring-billed Gull Populations in Two
 Landscapes

Patrick John Wigfull
B.Sc. (Queen's)
 Biology
 Geographic Determinants of Insect
 Species Diversity in the Hawaiian and
 Galapagos Archipelagos:
 A Biogeographical Analysis

Daniel J. J. McKay
B.Sc. (Carleton)
 Chemistry
 Thermochemical Trends and
 Decomposition Pathways in
 Polymeric Oxygen and Nitrogen

Harold Daniel Gibson
B.A. (Colgate)
 Earth Sciences
 Thermotectonic Evolution of
 the Northern Monashee
 Complex, Southern Omineca
 Belt, Southeastern British Columbia

Rebecca A. Stritch
B.Sc. (Ottawa)
 Earth Sciences
 Early Cretaceous (Albian) Foraminifera
 in Northwestern and Central Alberta,
 Canada: Biostratigraphy and
 Paleoenvironmental Change

* **Caroline Ann West**
B.Sc. (Carleton)
 Earth Sciences
 Glacial and Geochemical Dispersal
 Patterns in the Eastern Manson River
 Map Area (NTS 93K), Central British
 Columbia

* **Zhikai Cheng**
B.Sc. (Shanxi, China), Ph.D. (Ottawa)
 Information and Systems Science

Juan Dong
*B.Eng., M.Eng. (Jilin, China),
 M.Sc. (Regina)*
 Information and Systems Science
 Time Reversible Self-Organizing
 Sequential Algorithms

* **Khaled Ramadan**
B.Sc. (Carleton)
 Information and Systems Science
 Linear Programming with Internal
 Coefficients

Zhengping Wang
*B.Sc. (Wuhan, China), M.Sc. (China
 University of Geosciences)*
 Information and Systems Science
 A Parallel Implementation of a Cellular
 Automata Based Earthquake Model

* **Robin Carole Clouston**
B.Sc. (Memorial)
 Mathematics

* **Nathalie Dupuis-Désormeaux**
B.A.Sc. (Ottawa)
 Mathematics

Agnesa Galanová
B.A. (Carleton)
 Mathematics

Sabera Hossain
*B.Sc., M.Sc. (Jahangirnagar University,
 Bangladesh)*
 Mathematics

* **Jenny Anne Grabowski**
B.A. (McMaster)
 Psychology
 Specialization in Neuroscience
 The Effects of Picrotoxin, Atropine
 and Yohimbine on Interictal Spikes
 and Postictal Spikes in the Fast and
 Slow Kindling Rat Strains

Master of Computer Science

(presented by Professor Roger Blockley,
 Dean, Faculty of Graduate Studies)

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 denoted by an asterisk (*).

Latika Khanna
*B.Comm. (Kanpur, India),
 M.C.A. (Lucknow, India)*
 EER-Schema Mapping Tools for
 Interoperable Database Representations

* **Francis Chi-Shing Lee**
B.C.S. (Carleton)
 A Parallel Implementation of the CIS
 Sea-Ice Motion Tracking Algorithm for
 Coarse-Grained Multicomputers

Nashib Qadri
B.C.S. (Carleton)
 Parallelization Issues in Forest Fire
 Modeling and Related Problems

Terrance Dale Roberts
B.Sc. (Laurentian)
Learning Automata Solutions to the
Capacity Assignment Problem

Bachelor of Science (with Honours)

*(presented by Associate Professor
Brian Mortimer, Associate Dean,
Faculty of Science, assisted by
representatives of departments)*

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are awarded by Senate in February and in
June. Degrees awarded in February are
denoted by an asterisk (*).

BIOCHEMISTRY

* Sepideh Vaziri
Honours

BIOCHEMISTRY AND BIOTECHNOLOGY

Lori Lee Button
High Honours

Pui Lan Jessica Chan
Honours

Gordon John Coleman
Honours

Michael Hillmer
High Honours

Sebastien Le Bel
Honours

Parivash Shoukouhi
Honours

Phyllis Kit-Man Siu
Honours

John W. Veall
Highest Honours

BIOLOGY

William Ryan Jordan
Honours

Parul Kumar
Highest Honours

Arend T. H. Librande
Honours

Erin Anne O'Grady
High Honours

* Kimberly Elizabeth Proctor
Honours

Kevin Scott Westerberg
Honours

BIOLOGY AND BIOTECHNOLOGY

Michael Warren Blank
Honours

Stacey L. Mantha
Honours

BIOLOGY AND PSYCHOLOGY

* David Kumar Ray
Honours

CHEMISTRY

Rafal Kulczycki
Honours

* Sean Michael MacKinnon
High Honours

Noor Zuhartini Md Muslim
Honours

Chris Milne
Highest Honours

Khoi Manh Nguyen
Highest Honours

ENVIRONMENTAL SCIENCE

Colleen Lorie Carmody
Honours

Ellen Christine Constapel
High Honours

Sandra Jennifer Cook
Highest Honours

Susan Drover
High Honours

* Melanie Dunnigan
Honours

Jeanette Mary Fox
Honours

Kevin Hartle
Honours

Jeffrey David Holland
Highest Honours

Sheri Lynn Josey
High Honours

Anastasia Karvounis
Honours

* Heather Kennedy
Honours

Tobias Kiesewalter
High Honours

April Alexandra Mitchell
Highest Honours

Khoon Wee Ng
Honours

Eric Dylan Peters
High Honours

Allyson Elizabeth Quinlan
B.A. (Western Ontario)
Highest Honours

Robert Edward Renaud
Honours

Adrianne Joyce Sinclair
Honours

Christopher Sioris
High Honours

Julie Anne Thompson
Honours

* Steven J. Tyrie
High Honours

GEOGRAPHY

Christine Roxanne D'Ambrosio
Honours

Susan Erin Melissa Kettlewell
Honours

Shawna Lyn Rider
Honours

Jeffrey Williams
Honours

GEOLOGY

Clinton François Davis
Honours

Christopher Gallagher
High Honours

Anna Katherine Gault
Honours

Craig Thomas George Gillgrass
Honours

Roman Gombar
Honours

Anne Labelle
High Honours

Melissa Ellen Perrotta
Honours

Donna Grace Switzer
Honours

INTEGRATED SCIENCE STUDIES

Cassandra D. Kelly
Honours

* James M^cIntyre
B.Sc. (Bishop's)
Highest Honours

Sonia Joan Myers
Highest Honours

* Natalie Anne Remedios
High Honours

* Julie Catherine Sunday
Highest Honours

Christine Vivian Tam
B.Sc. (Carleton)
Honours

COMPUTER SCIENCE AND MATHEMATICS

Matthew Brent Upton
Honours

MATHEMATICS

Solomon Aklilu
B.Sc.(Eng.), Addis Ababa
Honours

* Vivek Menon
Honours

STATISTICS

Shariffah Suhaila Syed Jamaludin
High Honours

PHYSICS

Thomas Alexander Meyer
Honours

PHYSICS AND COMPUTER SCIENCE

Jana Sedivy
Highest Honours

PSYCHOLOGY

Melanie Sandra May
Honours

Christopher Pezoulas
High Honours

Lisá Letitua Sloan
Highest Honours

Lawrence Doo Lin Wong
B.A. (Carleton)
High Honours

Bachelor of Science

*(presented by Associate Professor
Brian Mortimer, Associate Dean,
Faculty of Science)*

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BIOCHEMISTRY

Zeinab Ali Abou-Hamad

Nijithra Gunabalasingam

Ana Hung

* Steven Marshall

Damian Matthew M^cGovern

Isa Omar Mohammed

Robert A. Shanks

* William Leslie Wilson

BIOLOGY

Robin Alana Berry

* Scott C. Bryant

Delina M. Campbell

Jeffery Kin-Man Cheung

Christine-Anne Dufresne

* Jeffrey Mark Faulds

Alissa Lynne Ferguson

Sheri Lee Ford

Jennifer Katharine Gavrel

Matthew Alec Gracey

* Claire Kerwin

Melanie Eve Latour

Alia Mohamed

Klover Colleen Olsen-Hwang

Wendy Prichett

* Audrey Rivera

Heather Dawn Rolfe

* Abimanyu Singam

Kim Spence

Judith S. Unger

Natasha Lynn Veinot

Vaheeda Rustamali Visram

CHEMISTRY

F. Thomas Burke

Mahmoud Hreich

Anthony Domenic LoFaro
with distinction

Subajini Murugesapillai

Jimmy Panagakos

Alfredo Scaini

Rachel Leanne Ulicny
with distinction

Rajasulochana Vadivel

GEOLOGY

* Robert Edward Arthur Boudreau

Christopher John Galway

Gregory Thomas Sherlock

Martinus Vroegh

INTEGRATED SCIENCE STUDIES

Deka Ahmed

Gayle Astrid Barnett

* Craig Davies

Russell Easy

Temesgen Gebremeskel

Carolyn Anne Halliday

Adam Blair Katz

Ian Duncan M^cIntosh

* John Roger Parsons

COMPUTER MATHEMATICS

Said Abdosh

Bijan Aminouchehri

* Christopher J. N. Cooke

Michael Robert Guthrie

Patrick Pak Kin Ho

Thi Kim Quyen Huynh

George Kassyousef

Christina M. Koops

Hoi Yim Lau

Chung Yi Jessie Leung

Darren M^cMann

Aaron Douglas Merifield
B.Sc.(Carleton)

Gregg Andrew Morris

Loc Ngo

* Tomislav Petrovic

Hassan Sadati
 Michael W. K. Sew
 Daniel John Stefura
 Dean Steptoe
 Tin Kai Tsang
 * Vincent Yuen

MATHEMATICS

Leah Shifra Ben-Porat
 * Kim Hang Chong
 Eugene Deery
with distinction

STATISTICS

Sau Chi Chan
 Ho Yan Chau

PHYSICS

Adrien Ronald Alexson
 Matthew W. Connolly
 * Ryan Lawrie
 Bruce Mabier
 W. Patrick Stritch
 * Michael Yee

Bachelor of Computer Science (with Honours)

(presented by Professor Frantisek Fiala,
 Acting Director, School of Computer Science)

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Lubomir Antonov
 High Honours
 Co-operative Education

Natalia Balaba
 High Honours

Nicola Benvenuti
 High Honours
 Co-operative Education

* Sean Robert Boyle
 Honours

Jeremy Brian Chan
B.Sc. (McGill)
 Highest Honours
 Co-operative Education

Johnathon Douglas Chapman
 High Honours

Nicolas Chaussé
 Highest Honours
 George Couch
 High Honours
 James David Cullingworth
 Highest Honours

Duc Van Dao
 High Honours
 Co-operative Education

Thinh Van Dao
 High Honours
 Co-operative Education

* Diane Elizabeth Dubrule
A.B. (Cornell), M.A., Ph.D. (Toronto)
 Highest Honours

James Andrew Duy
 High Honours

Sean Evoy
B.A. (Ottawa)
 Highest Honours

Craig W. Fielding
B.A., B.Eng. (Carleton)
 Highest Honours
 Co-operative Education

Luanne E. Fridson
 High Honours
 Co-operative Education

Kenneth Charles Gollan
 Highest Honours

Asha Rani Gummadi
 Highest Honours

Gregory William Hayes
 Honours

Robert Edward Scott Helsby
 High Honours
 Co-operative Education

* Man Chi Ho
 Honours

* James Robert Jones
 Honours

Shairoon Kalamadeen
 High Honours

Susan Eleanor Kilbank
B.Com. (Carleton)
 High Honours

Max Kotlyar
 Highest Honours

* Marc Anthony Labrecque
 Highest Honours
 Co-operative Education

Anthony Bruce Lander
 High Honours

Andy Lee
 Highest Honours
 Co-operative Education

Christopher Anthony Lengyel
 Honours

* Pui Ching Florence Lo
 Highest Honours

Jordan Macartney
 Honours

Jeffrey Main
 Honours

Rajani Priya Maindiratta
 High Honours
 Co-operative Education

Brian Wesley Maither
 High Honours
 Co-operative Education

Andrew Miles
B.Sc. (Carleton)
 High Honours
 Co-operative Education

* Jason Muise
 Honours

Gary Ng
 High Honours

* Binh Nguyen
 Honours
 Co-operative Education

Sue-Anne K. E. Nielsen
 Honours

Roy Jonothan Pledge
 High Honours
 Co-operative Education

Geoffrey Roth
 High Honours

* David Ruest
 High Honours
 Co-operative Education

Achint Sandhu
 High Honours

Dorin Aurelian Sandu
 Highest Honours
 Co-operative Education

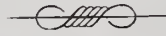
Ryan Andrew Sciampacone
 Highest Honours
 Co-operative Education

Michael Springgay
 Highest Honours
 Co-operative Education

Jean-Philippe Torunski
 Highest Honours

Grace Ho Sze Yeung
 Honours

Honorary Degree Recipient

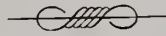


Willem Gilles

Willem Gilles, Professor Emeritus, School of Industrial Design, Carleton University, will be awarded the degree of Doctor of Engineering, *honoris causa*, at the afternoon ceremony on Saturday, June 14, "in recognition of a distinguished contribution to the profession of industrial design as founder and long-time Director of Carleton's School of Industrial Design."

Order of Proceedings

Saturday, June 14, 2:00 p.m.



Chancellor Arthur Kroeger, O.C., M.A., LL.D., presiding.

*The audience is requested to stand when the Academic Procession arrives,
to remain standing until 'O Canada' has been sung, and at the conclusion of the ceremony
to remain until the Academic Procession has left.*

Processional Music

John Robert Coghill Sr., C.D. (bagpipes)
John Robert Coghill Jr., C.D., B.Mus. (bagpipes)
Garry Matthews, C.D. (snare drum)

O Canada*

(the audience is invited to sing)

Welcome by the President and Vice-Chancellor

Richard J. Van Loon, B.Sc., M.A., Ph.D.

Conferring of Degrees by Examination

Warrant

Chong H. Chan, B.S., M.A.Sc., Ph.D., P.Eng.
Clerk of Senate

Introduction of the Medallists

The Clerk of Senate

Awarding of the Medals

G. Stuart Adam, B.J., M.A., Ph.D.
Vice-President (Academic)

Conferring of the Degree of Doctor of Engineering,

honoris causa, upon

Willem Gilles, Professor Emeritus

(presented by Charles C. Gordon, B.A., Ph.D.,

Associate Professor of Sociology and Anthropology, and Architecture)

Convocation Address

Willem Gilles

Recessional Music

** see next page for words*

O Canada



*O Canada! Our home and native land!
True patriot love in all thy sons command.*

With glowing hearts we see thee rise,

The True North strong and free!

From far and wide, O Canada,

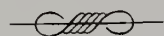
We stand on guard for thee.

God keep our land glorious and free!

O Canada, we stand on guard for thee.

O Canada, we stand on guard for thee.

Recipients of Degrees



Doctor of Philosophy

(presented by Professor Roger Blockley,
Dean, Faculty of Graduate Studies)

Degrees conferred at Spring Convocation
are awarded by Senate in February and in
June. Degrees awarded in February are
denoted by an asterisk (*).

Peter Au

B.A.Sc., M.A.Sc. (Waterloo)

Aerospace Engineering
A Heat Treatment Procedure to
Produce Fine-Grained Lamellar
Microstructures in a P/M Titanium
Aluminide Alloy
Supervisors: M.J. Bibby
and W. Wallace

* Shahriar Afandizadeh Zargari

B.Sc., M.Sc. (Iran)

Civil Engineering
Optimization of Integrated
Multimodal Urban Transportation
Corridors
Supervisor: A.M. Khan

Francis Ofori Berkoh

*B.Sc. (University of Science and Technology,
Ghana), M.Eng. (Carleton)*

Civil Engineering
Occupant-Induced Vibrations in
Wood Floors: A Serviceability
Approach
Supervisor: J.J. Salinas

* Allemander J. Pereira Filho

*B.Eng. (Rio de Janeiro, Brazil),
M.Eng. (Carleton)*

Civil Engineering
A Road Location Method Using Noise
Contours for Land Use Planning
Around Airports
Supervisor: J.P. Braaksma

Ahmed Shalaby

B.Sc., M.Sc. (Cairo, Egypt)

Civil Engineering
Analytical and Experimental
Investigation of Thermal Cracking in
Asphalt Pavements
Supervisor: A.O. Abd El Halim

Qiang Song

*B.Eng. (Beijing Polytechnic, China),
M.Eng. (China Academy of Building)*

Civil Engineering
The Effects of Local Geology and
Liquefaction on Seismic Ground
Motion
Supervisor: K.T. Law

Alexander Neil Birkett

B.Eng., M.Eng. (Carleton)

Electrical Engineering
Nonlinear Adaptive Filtering with
Application to Acoustic Echo
Cancellation
Supervisor: R.A. Goubran

* Ashraf Sharif Hasan Mahmoud

B.Sc. (Kuwait), M.Eng. (McMaster)

Electrical Engineering
Cellular Architecture for Wireless
Indoor Broadband Communication
Systems in mm-Wave Band
Supervisors: D.D. Falconer and
S.A. Mahmoud

* Changcheng Huang

B.Eng., M.Eng. (Tsinghua, China)

Electrical Engineering
Long Range Dependent Traffic:
Modeling, Simulation and Congestion
Control
Supervisors: I. Lambadaris and
A.R. Kaye

* Marek Klemes

B.A.Sc., M.A.Sc. (Toronto)

Electrical Engineering
Fast Robust Quasi-Newton Adaptive
Algorithms for General Array
Processing
Supervisors: J.S. Wight and
D.D. Falconer

Michael L. Moher

*B.A.Sc., M.A.Sc. (Toronto),
M.Sc. (Ottawa)*

Electrical Engineering
Cross-entropy and Iterative Detection
Supervisor: T.A. Gulliver

Gubbi Rajugopal

*B.E. (Mysore, India),
M.Tech. (Indian Institute of Technology)*

Electrical Engineering
Robust Video Communication
Over Wireless Packet Networks
Supervisors: R.H. Hafez and
S.A. Mahmoud

Aria Alasty

*B.Sc., M.Sc. (Sharif University of
Technology, Iran)*

Mechanical Engineering
Force Control of Flexible Manipulators
Supervisors: Robert Bell and
G. Vukovich

Master of Engineering

(presented by Professor Roger Blockley,
Dean, Faculty of Graduate Studies)

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are awarded by Senate in February and in
June. Degrees awarded in February are
denoted by an asterisk (*).

Matthew Robert Bullock

B.Eng. (Carleton)

Aerospace Engineering
Angular Momentum Precession,
Acquisition Maneuver and Attitude
Estimation Design for SILA, a
University Micro Satellite Project

Jason Philip Scott

B.Sc. (Queen's)

Aerospace Engineering
Corrosion and Multiple Site Damage
in Riveted Fuselage Lap Joints

Motaz Aladas

B.A.Sc. (Ottawa)

Civil Engineering

James David Clarkin

B.Sc. (Queen's)

Civil Engineering

* **K. R. Prabha**

*B.E. (Government College of Engineering,
India)*

Civil Engineering
Behaviour of Webs of WWF Shapes
Subjected to Concentrated Inplane
Loads: Analytical Investigation

* **Dayle Jennifer Prowse**

B.Sc. (Alberta)

Civil Engineering
Behaviour of Slender Webs of WWF
Shapes and Stiffened Bridge Girders
Subjected to Concentrated Inplane
Loads: Experimental Investigation

Feng Qu

B.Eng. (Tsinghua, China)

Civil Engineering
The Seismic Response of Unanchored
Liquid-Tank Systems

Witold Ruchala

*M.Sc. (Technical University of Cracow,
Poland)*

Civil Engineering
Earthquake Analysis of Bridge Systems
by Ritz Vectors

Istabrak Abdul-Fatah

B.Sc. (Baghdad, Iraq)

Electrical Engineering
Performance of CORBA-Based
Client-Server Architectures

Gurpreet Singh Bhullar

B.Eng. (Poona, India)

Electrical Engineering
Test Methodology for SRAM based
FPGAs

Loraine Lynn Campbell

B.Eng. (Royal Military College)

Electrical Engineering
Air-to-Air Radar Modes for the
CP-140 Maritime Patrol Aircraft

Edmond K. Chow

B.A.Sc. (British Columbia)

Electrical Engineering

* **Michael Joel Gertsman**

B.A.Sc. (British Columbia)

Electrical Engineering
Symbol-by-Symbol Map
Demodulation of CPM Signals
Transmitted on Rayleigh Flat-Fading
Channels

* **Qizhi Gong**

*B.Eng. (Beijing University of Posts and
Telecommunications, China)*

Electrical Engineering
Outage Performance with Directional
Antennas in Cellular Fixed Broadband
Access Systems

* **Eric René Guétré**

B.Eng. (Royal Military College of Canada)

Electrical Engineering
An Efficient Ka-Band MMIC
Upconverter Using A Heterojunction
Bipolar Transistor

* **László Házy**

*B.Sc. (Polytechnic Institute of Bucharest,
Romania)*

Electrical Engineering
Initial Channel Estimation and Frame
Synchronization in OFDM Systems
for Frequency Selective Channels

Gamantyo Hendranto

*B.Eng. (Sepuluh Nopember Institute of
Technology, Indonesia)*

Electrical Engineering
Characterization of 29.5 Ghz
Broadband Indoor Radio Channels
Using a Steerable Receive Antenna

* **David Wayne Horton**

B.Eng. (Carleton)

Electrical Engineering
Compiler Optimizations for DSP
Using Genetic Algorithms

Marquis C. Julien

B.A.Sc. (Ottawa)

Electrical Engineering
Bipolar Transistor Modelling from a
Power Amplifier Designer's Perspective

* **Denny Lung-Sun Lee**

B.Eng. (Carleton)

Electrical Engineering

Andrew Henry Mudry

B.Sc. (Alberta)

Electrical Engineering
Speaker Identification Using the
Wavelet Transform

* **Subodh Shreepad Parulekar**

B.Eng. (Pune, India)

Electrical Engineering
A Simulation Approach to the
Performance Evaluation of a
Broadband Indoor Wireless Network

* **Bahram Sanaei**

B.Eng. (Carleton)

Electrical Engineering

Gurudas Somadder

B.Eng., M.S. (Baroda, India)

Electrical Engineering
OO Multi-Threaded Servers:
Design with Reusable Components,
Performance Measurements and
Analysis

* **Meera Srinivasan**

B.Eng. (Bangalore, India)

Electrical Engineering
A Combination of Finite Element
Method and Complex Frequency
Hopping Technique for Solution of
Electromagnetic Problems

Sandra Margaret Stark

B.Sc. (Ottawa)

Electrical Engineering
Estimating the Future Performance of
an ATM Network Based on Its Current
Performance

* **Ashok Swaminathan**

B.A.Sc. (Waterloo)

Electrical Engineering
A Single-IF Receiver Architecture
Using a Complex Sigma-Delta
Modulator

* **Stephen Howard Watson**

B.A.Sc. (Queen's)

Electrical Engineering
3D Visualization of Software
Architectures

Fangxing Wei
B.Eng. (Tsinghua, China),
M.Eng. (Chinese Academy of Sciences)
 Electrical Engineering
 Submicron CMOS Building
 Blocks for High Speed Frequency
 Synthesis and Clock Recovery
 Applications

* Jianqin Weng
B.Eng. (Southeast University, China)
 Electrical Engineering
 Fuzzy Leaky Bucket Congestion
 Control in ATM Networks

* Lihong Zhang
B.Eng., M.Eng. (China Metrology University)
 Electrical Engineering
 Optimal Pin-Assignment for Signal
 Integrity Optimization in IC Packages
 and Connectors

* Steven Ralph Lawrence Amond
B.Eng. (Carleton)
 Mechanical Engineering
 Modeling of Deformation in Ideal
 Plastic Material with Evolving Porosity

Edgar Otto Fuoss
B.A.Sc. (British Columbia)
 Mechanical Engineering
 Effects of Stacking Sequence on the
 Impact Damage Resistance of
 Composite Laminates

Charles Richard Mason
B.A.Sc. (Waterloo)
 Mechanical Engineering
 Prediction of Adiabatic Shear in 4340
 Steel, Remco and Armco Irons

* Steven M. Riche
B.Eng. (Carleton)
 Mechanical Engineering
 The Design of a NOVEL
 Accelerometer for the Weigh-in-
 Motion Application

* Babak Salimi
B.Eng. (McGill)
 Telecommunications Technology
 Management

Master of Architecture

*(presented by Professor Roger Blockley,
 Dean, Faculty of Graduate Studies)*

Degrees conferred at Spring Convocation
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 denoted by an asterisk (*).

David J. Azrieli
B.A. (Montreal)
 The Architect as Creator of
 Environments: Victor Gruen,
 Visionary Pioneer of Urban
 Revitalizations

* Mark William West
B.Arch. (The Cooper Union, New York)
 Architecture Doubt Uncertainty

Bachelor of Engineering

*(presented by Professor Malcolm Bibby,
 Dean, Faculty of Engineering, assisted
 by representatives of departments)*

Degrees conferred at Spring Convocation
 are awarded by Senate in February and in
 June. Degrees awarded in February are
 denoted by an asterisk (*).

AEROSPACE

Bong Man Au

Eric James Barter

Matthew Conrod
with distinction

Pascal de Wit
with distinction

Lance D. Ehrmantraut
with distinction

Murray G. Gamble

Kevin H. Glenney
with distinction

Weiny Habtemichael

Mark Heinemann
with distinction

Troy Patrick Johnson
with high distinction

S.D. Daryl Lafleur
with high distinction

Jeremy Laliberté
with high distinction

Vahik Manookian
with distinction

J. Bradley Nolen
with distinction

Gregory A. Overwater

Sean Ryan Perry

Gregg Priddie

Andrew Richards
with distinction

John W.M. Rogers
with high distinction

Michaël Rondeau

Menelik Solomon
with distinction

James Kirk Strutt
with high distinction

* Megan Siobhan Symons

* Mark Stephen Thorpe
with distinction

Gerald David Warner
with distinction

Justin James Wightman

Wayne G. Yuke
with high distinction

Kenneth James Zavitz

CIVIL

Michael A. Barrington
 Concentration in Management

Rafael Bolon

Mark Kenneth Boone

Brian Thomas Boyd

Glenn Buckley

Hurolaine Che Abdul Aziz

David G. J. Dechamplain

Ian James Fuller
with distinction

Jason Theodore Galuga

Noel Colin Gascon

Nuning Duongjai Getty

Kushwant Singh Gidda

Wan Li Ho

Kimberley Louise Hunton

Yiu Cheong Lai

Stephanie Lynne McNeely
 Concentration in Management

Robert Andrew Nevin

Sophie Pickett
 Concentration in Management
with distinction

Douglas Allan Raby
 Shane Russell
 * Suganthan Sivagnanasundaram
 Craig Josef Slama
 Kian Aun Tan
with distinction
 Peter Merritt Tate
 Concentration in Management
with distinction
 Mussie Tesfatsion
 Samantha Anne Vitone
(posthumous)

COMPUTER SYSTEMS

Mahad Ahmed
with high distinction
 Kamal Yassin Ballout
with high distinction
 Elie Bardawil
 Jennifer Susan Barnes
with high distinction
 * Gad Bentolila
 Yannick Blanchette
with high distinction
 Andrew David Bryan
 André Campeau
 Wayne Dustin
with high distinction
 Thomas Alexander Footit
with distinction
 Mathew Briju Kallumkal
 Anpalagan Kanagaratnam
B.Sc. (Peradeniya)
 Angelis Koutsos
with high distinction
 Kei Fai Andrew Lam
 Thomas Scott MacLean
B.Eng. (Carleton)
with high distinction
 Patrick Malka
 Oleg Mysyk
with distinction
 Jegatheeswaran Nadarajah
with high distinction
 Anoop Nannra
 Nguyet Minh Nguyen
 Ian Lawrence O'Halloran
 Bande O. Ola
 Rajkumar Paramalingam

Marko Perišić
 Dorin Petriu
with high distinction
 Javier Sandino Monterrey
 Christopher Sydney Smith
B.Eng. (Carleton)
with distinction
 Selvakumaran Somasundaram
with high distinction
 Susan Elizabeth Thompson
 Fengxia Wang
B.Eng. (Lanzhou, China)
with high distinction

Man-Ho Wong
with distinction

ELECTRICAL

Kamran Akhlasi
 Ismail Barreh
 Rajesh David Lalchand Basnandan
 Raymond Boulay
with high distinction
 Geoffrey Alan Bruce-Payne
with high distinction
 Hongqui Chu
 Stefan Drever
 Kanthappu Elavalagan
 Anne-Marie Fillmore
 Hsin-Wu Fong
with high distinction
 Jing Fu
 Michèle M. Goulet
 Laila Hasan
B.Sc. (Dhaka)
 Kin Wing Ko
with distinction
 Yiu-Bong Patrick Lee
with distinction
 Shao Yuan Lim
 Nareshan Manikavasagar
 Peter Monaghan
 Sean O'Reilly
 Cheng Guan Ooi
 Marios Stavrou Parperis
with high distinction
 Everard Rodney
 André Roy
B.Sc. (Carleton)
 Balasundaram Rudranantha

Naem Saafein
 Kevin Alan Glenn Sandy
B.A. (Carleton)
with distinction
 Niranjana Sathiyavathan
 Yin Shi
 Concentration in Management
 Sivapragasam Sivaganesh
 Sivabalan Sivagnanam
 Arularasi Somasundaram
 Kulasegaram Subramaniam
 Kirubakaran Thamothearampilla
 Lara Celena Theoret
with distinction

Rajani Vithiyananthan
with distinction

ENVIRONMENTAL

Georgette Abou Asli
 Victoria L. Allen
with distinction
 * Natalie L. Antonuk
 Sarah Geraldine Cosgrove
with distinction
 Chia Ha
with distinction
 Lily Hang
 Marcelle Louise Jordan
with distinction
 Mark Axel Kuhl
with high distinction
 * Lynn L. Landry
with distinction
 Allan Paul Marth
B.Sc. (Queen's)
 Graham C. McConnell
 Robert Andrew Passmore
 David Christopher Rama
with high distinction
 Noha Samaha
 Julie Eileen Shaver
 Carl Douglas Wu

MECHANICAL

Jonathan Christopher Abed
 Concentration in Computer-Integrated
 Manufacturing
 Chi Bun Kevin Au
 Concentration in Computer-Integrated
 Manufacturing

Sebastien Roger Belanger
Concentration in Computer-Integrated
Manufacturing

* Shawn Blackburn

Derrick A. Brown

Steven Michael Caldwell

Philip Thomas Cassidy

Kai Li Chia
Concentration in Management

Brent Gordon Keepin Collver
with high distinction

Martin John Conlon

Michael Robert Connelly
with distinction

Curtis S. Dodd
with distinction

* Daniel Fong

Scott Hanes
Concentration in Management

* Marcel Hrudka

Mark Bryan Johnson
Concentration in Computer-Integrated
Manufacturing

Ji-Hoon Jay Kim

Chee Meng Leow
Concentration in Management

Carey Leung
Concentration in Management

Nelson Man Hoi Lui

Stephen Derek Mackie
with distinction

Domenico Francesco Rocco Martino
Concentration in Computer-Integrated
Manufacturing

David Alan Maule
B.I.D. (Carleton)

Kaine Mildengerger
Concentration in Management

Shunsuke Morinishi
Concentration in Computer-Integrated
Manufacturing

Thuc Nguyen
Concentration in Computer-Integrated
Manufacturing

* Angus Parekunnel

Stephen Nicholas Pechkoff

* Steven William Rodger

Shirley Yee So
Concentration in Computer-Integrated
Manufacturing

Annette Barbara Strieck

* Sudesh Sundralingam
Concentration in Computer-
Integrated Manufacturing

* Suthakar Sundralingam
Concentration in Computer-
Integrated Manufacturing

Cynthia Mary Thompson

Hoang Vo

Bachelor of Architecture

(presented by Associate Professor
Benjamin Gianni, Director, School of
Architecture)

Degrees conferred at Spring Convocation
are awarded by Senate in February and in
June. Degrees awarded in February are
denoted by an asterisk (*).

Ana-Maria Almeida
with distinction

Karla Anstey
with distinction

Moysis Antoniou

Ruth Bankey
with high distinction

Erika Andrea Barrientos
with distinction

Christian Hugo Heinz Burgsthaler

Bret Cardinal
with distinction

Donna Margaret Chaput

Vincent C. Cook

Francesco Paolo Di Sarra
with distinction

Tim Elford
with distinction

Craig Esposti
with distinction

Marjan Ghannad
with high distinction

Carlos Alberto Afonso Gonçalves
with distinction

Jose Carlos Goncalves
with distinction

Rola Haddad

Edward Earl Hope

Chloe Mary Hutchison Yildiz
with high distinction

Elise Rachel Johnston
with distinction

Rita Erica Komendant
with distinction

Patrick Lajeunesse
with high distinction

Brenda Lee
with distinction

Catherine Hsueh-Mei Lin
with high distinction

Tracy M. Look Hong
with high distinction

Gary Mark
with distinction

Ola May
with distinction

Thomas Shaw Mcintosh
with high distinction

Timothy Gilbert McNabb
with distinction

Scott Gary Meikleham

Lisa Michelle Neidrauer
with distinction

Marcin Wlodzimierz Padlewski
with distinction

David Pankew

Christian Edward Paroyan
with distinction

Nancy Kristine Patterson
with distinction

Derek Ramsay
with distinction

Raj Rana
with distinction

Jason D. Said
with distinction

Anna Vanessa Sapala
with distinction

Heather Margaret Semple
B.A. (Trent)
with high distinction

Nada Sidawi

Mark Anthony Sinkovic
with distinction

Douglas William Slater

Kelly Scott Stadnyk
B.A. (Saskatchewan)

Simona Sund
B.E.S. (Western Ontario)
with distinction

Susan Catherine Umali

with distinction

Dory Joan Van Donzel-Magnan

with distinction

Ian Edward Willson

with distinction

Samson Chung-Wei Yan

Michael Zaborski

with distinction

Bachelor of Industrial Design

(presented by Assistant Professor

*Martien de Leeuw, Director, School of
Industrial Design)*

Degrees conferred at Spring Convocation
are awarded by Senate in February and in
June. Degrees awarded in February are
denoted by an asterisk (*).

Samuel James Boyte

Christopher John Alexander Brozina

with distinction

Sarah Katherine Dobbin

with distinction

* Eric Jacques Fraser

Michal Karin Jacob

with high distinction

Derek Ryan Kirkland

with high distinction

Peter James Matthews

Hee Soo Moon

with distinction

Wah Phung-Lu

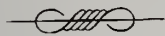
Michael V. Prochazka

Thomas Jan Stovicek

Raymond Woo

with high distinction

*The following awards
were made by Senate
after publication of the
1996 Fall Convocation
program.*



Bachelor of Arts (with Honours)

Cressida E. Robson
Honours in Political Science

Bachelor of Arts

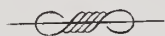
Bharati Auglay
Economics and Mathematics

Shaun Michael McCahery
Psychology

Bachelor of Engineering

Jeffrey Leo de Wit
Mechanical Engineering

Medallists in the Graduating Class



The Governor General's Medal – Bachelor's Level

Awarded annually to the student standing at the head of the graduating class at the bachelor's level.

Donor: His Excellency the Governor General of Canada

Erin Claire Manning

Honours Interdisciplinary Studies (Fall 1996)

The Chancellor's Medal

Awarded annually in the name of the Chancellor of the University to a graduating student of outstanding academic achievement.

Lise Hogan

Honours Italian Studies and Spanish

The President's Medal

Awarded annually in the name of the President of the University to the student with the highest standing in a pass program of studies.

Anthony Domenic Lofaro

B.Sc. Chemistry

University Medal for Outstanding Graduate Work – Ph.D. Level

Awarded, when merited, for outstanding graduate work at the doctoral level.

Peter Au

Aerospace Engineering

University Medal for Outstanding Graduate Work – Master's Level

Awarded, when merited, for outstanding graduate work at the master's level.

Grant Baird

Philosophy

University Medals (Undergraduate)

Awarded annually, when merited, to the graduating students standing highest in interfaculty studies, arts, social sciences, science, engineering, architecture, commerce, computer science, industrial design, journalism, music, public administration, and social work.

University Medal in Interfaculty Studies

Laurie Anne Jurkat

Honours Anthropology and History

University Medal in Arts

Matthew Kott

Honours History

University Medal in Social Sciences

Douglas B. Nathanson

Political Science

University Medal in Science

Rachel Leanne Ulicny

Chemistry

University Medal in Computer Science

Andy Lee

University Medal in Commerce

Michael Kyle Abbott

University Medal in Journalism

Natalie Barbora Salat

University Medal in Public Administration

Alia Christine Tayyeb

University Medal in Engineering

Wayne Dustin

Computer Systems Engineering

University Medal in Architecture

Marjan Ghannad

Senate Medals

Awarded, when merited, to graduating students of outstanding academic achievement.

Doctoral Level

Aria Alasty

Mechanical Engineering

Eduard Gordon Reinhardt

Earth Sciences

Wendy Larner

Sociology

Master's Level

Anna-Maria Belting

German

Ashok Swaminathan

Electrical Engineering

Hong Bin Chen

Management Studies

Undergraduate Level

Debra Bolger-Ingimundson

Psychology

Eugene Deery

Mathematics

Beatriz Oliver

Honours Anthropology

Marketa Geislerova

Honours CERAS

Marios Stavrou Parperis

Electrical Engineering

Alison Jill Halsall

Honours English

Wendy Miya Yano

Honours English

Paul D. Wood

Commerce

Kamal Yassin Ballout

Computer Systems Engineering

Gail Dianne Cariou

Art History and History

Jenny Catherine McKnight

*Honours Law, Psychology and
Criminology and Criminal Justice*

Jeffrey David Holland

Environmental Science

Patricia E. Volpe

B.J. Journalism and Political Science

David Michael Mallette
Honours History and Russian

Max Kotlyar
Computer Science

Yannick Blanchette
Computer Systems Engineering

Matthew Peter Sammon
Honours Political Science

Julie Catherine Sunday
Integrated Science Studies

Marco Ranjan Deyasi
Honours Art History

Dan J. Mauro
Music and Psychology

Amanda Louise Mullen
Honours English

John W.M. Rogers
Aerospace Engineering

Lisa Letitua Sloan
Honours B.Sc. Psychology

James Kirk Strutt
Aerospace Engineering

Hsin-Wu Fong
Electrical Engineering

Daphne Overhill
Honours Music

Johanna M.W.F. Lemke
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Christopher Doary
History

Raymond Boulay
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Computer Science

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Honours Psychology

Yiu-Bong Patrick Lee
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Marie Helen Krizka
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and Applied Language Studies*

Amy Jennifer Jansen
Commerce

Janice Sharon Dahms
Honours Psychology

Ryan Andrew Sciampacone
Computer Science

Tamara Stone
Journalism

